



431 River Road
Bow, NH 03304

August 15, 2018

Submitted on-line via NetDMR

D34250

U.S. Environmental Protection Agency
Water Technical Unit (SMR-04)
OES4 – SMR
5 Post Office Square - Suite 100
Boston, MA 02109-3912

Reference: NPDES Permit No. NH0001465, Merrimack Station, GSP Merrimack LLC, issued June 25, 1992, modified October 22, 1992, modified January 10, 2018.

Dear Sir/Madam:

Merrimack Station
Monthly NPDES Discharge Monitoring Report
July 2018

In compliance with Part I, Section B.1., of the NPDES permit (see Reference), Granite Shore Power LLC (GSP) herein submits the monthly NPDES report for Merrimack Station for the month of July. With two exceptions, all sampling and analyses were conducted by station personnel in accordance with EPA approved procedures referenced at 40 CFR Part 136. Eastern Analytical, Inc. of Concord, NH, performed the oil and grease analysis and the total suspended solids analysis on samples collected at Outfall 003A. There were no oily sheens, floating solids, or foam observed in any of the outfall discharges in other than trace amounts. There were no permit noncompliances recorded during the month.

As instructed by the agencies, GSP now reports a concentration of zero ("0") when the analytical result is less than the method detection limit (MDL). For this report, the following MDLs were used: Total Residual Oxidants = 0.01 mg/l (SM 4500-Cl D – 2011); Total Residual Oxidants = 0.05 mg/l (SM 4500-Cl E – 2011); Oil & Grease = 5.0 mg/l (EPA 1664B); Total Suspended Solids = 5.0 mg/l (SM 2540 D – 97).


The pH at Outfall 003 (Station S-0) frequently dropped below 6.5 SU during the month. Compliance was maintained with the permit however, as the effluent pH closely tracked the naturally occurring river pH at Station N-5 (see the attached data sheets), and any discrepancies were within the analytical limits of the equipment accuracy and precision. As such, these low pH values were not the result of activities at Merrimack Station and so *should not be recorded as violations in the Integrated Compliance Information System, Enforcement and Compliance History Online, or any other EPA compliance database.*

This report is required by, and prepared specifically for, the U.S. Environmental Protection Agency (EPA). It presents truly, accurately and completely, the observed measurements and analyses required by the EPA to be performed or submitted, but only such observed results. It is not intended as an assertion of the accuracy of any instrument, reading, or analytical result, nor is it an endorsement of the suitability of any analytical or measurement procedure.

If you have any questions regarding this report, please call Allan Palmer, Senior Engineer, at (603) 230-7951.

Sincerely,

GRANITE SHORE POWER



Elizabeth H. Tillotson

Executive Director of Administration & Regulatory Affairs

Enclosures

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR July 2018

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/18	6.70	1730	6.67	6.63	0000	96
07/02/18	6.70	1600	6.65	6.60	0445	96
07/03/18	6.63	1715	6.58	6.55	1100	96
07/04/18	6.58	1730	6.54	6.51	0700	96
07/05/18	6.71	1030	6.52	6.48	0800	96
07/06/18	6.58	2345	6.53	6.49	1330	96
07/07/18	6.62	1630	6.58	6.56	1330	96
07/08/18	6.66	1730	6.59	6.55	0400	96
07/09/18	6.66	1745	6.59	6.55	0400	96
07/10/18	6.66	1700	6.57	6.52	0500	96
07/11/18	6.67	1715	6.57	6.50	0515	96
07/12/18	6.66	1045	6.58	6.51	0630	96
07/13/18	6.68	1645	6.58	6.52	0600	96
07/14/18	6.64	1315	6.59	6.53	0430	96
07/15/18	6.74	1745	6.60	6.53	0745	96
07/16/18	6.83	1800	6.64	6.52	0915	96
07/17/18	6.63	1030	6.57	6.54	1515	96
07/18/18	6.74	0900	6.61	6.54	0300	96
07/19/18	6.74	1730	6.65	6.61	1345	96
07/20/18	6.79	1800	6.68	6.61	0630	96
07/21/18	6.80	1730	6.69	6.60	0745	96
07/22/18	6.71	1645	6.66	6.60	0900	96
07/23/18	6.72	1930	6.66	6.61	0915	96
07/24/18	6.86	1630	6.73	6.48	1415	95
07/25/18	6.92	1245	6.86	6.81	0630	96
07/26/18	6.86	1500	6.82	6.80	0530	96
07/27/18	6.90	1415	6.84	6.76	2345	96
07/28/18	6.76	0015	6.69	6.66	2330	96
07/29/18	6.67	0030	6.63	6.61	1915	96
07/30/18	6.64	0815	6.62	6.61	2100	96
07/31/18	6.63	0845	6.61	6.59	2345	96
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AVERAGE	6.71		6.64	6.58		
STD DEV.:	0.09		0.08	0.09		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR July 2018

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
07/01/18	6.97	1745	6.89	6.81	0500	96
07/02/18	6.95	1245	6.90	6.82	0530	96
07/03/18	6.95	1315	6.87	6.80	2215	96
07/04/18	6.94	1315	6.86	6.76	2345	96
07/05/18	6.99	0930	6.83	6.76	0600	96
07/06/18	6.88	2000	6.81	6.75	0000	96
07/07/18	6.74	1730	6.58	6.36	2330	96
07/08/18	6.68	1830	6.45	6.35	0445	96
07/09/18	6.66	1730	6.47	6.31	0615	96
07/10/18	6.78	1700	6.50	6.32	0645	96
07/11/18	6.64	1515	6.47	6.33	0630	96
07/12/18	6.65	1745	6.45	6.32	0600	96
07/13/18	6.85	1800	6.49	6.32	0645	96
07/14/18	6.52	1945	6.36	6.22	0945	96
07/15/18	6.67	1915	6.39	6.24	1200	96
07/16/18	6.80	1845	6.53	6.34	1100	96
07/17/18	6.64	0045	6.42	6.32	0930	96
07/18/18	6.59	1445	6.41	6.31	0515	96
07/19/18	6.64	1245	6.44	6.21	1745	96
07/20/18	7.30	1915	6.60	6.28	1400	96
07/21/18	7.74	1900	6.50	6.25	1200	96
07/22/18	6.51	0030	6.34	6.18	2030	96
07/23/18	6.67	2030	6.36	6.22	0900	96
07/24/18	6.95	1745	6.65	6.42	1130	96
07/25/18	6.83	1945	6.66	6.48	0815	96
07/26/18	6.75	0130	6.58	6.44	1200	96
07/27/18	6.81	0900	6.62	6.52	1045	96
07/28/18	6.67	1800	6.59	6.51	0900	96
07/29/18	6.62	2300	6.57	6.50	0900	96
07/30/18	6.61	0015	6.52	6.47	1630	96
07/31/18	6.60	1730	6.50	6.46	1615	96
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AVERAGE	6.79		6.57	6.43		
STD DEV.:	0.24		0.17	0.20		